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Patent Abstract

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GER 1996-07-11 ~~19505369~~ **Procedure for the improvement of the function and catalytic activity; substances during an electro-chemical or electricalcatalytic process;; working catalytically from electrodes and**

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It becomes a procedure for the conditioning and/or re-establishment of; the function and catalytic activity of electrodes (2, 3) and; catalytically working substances during an electro-chemical or; electricalcatalytic process described. Runs off under admission or; delivery of electrons directly or in one or more intermediate steps an; ionization

or a Deionisationsprozesse in a cell, which is formed for; electrolytes (1) or an electrically leading layer from two by from; each other separated electrodes (2, 3) or catalytic coatings, whereby; a tension is applied to the two electrodes (2, 3). With such cells; frequently a decrease of the measuring cell tension occurs after; longer period of use, which leads to the incorrect announcement of to; high oxygen values. Furthermore the inertness with sinking temperature; increases strongly. In order to reach that the function and catalytic; effect of such messzellen are improved, without interrupting or affect; thereby the measuring enterprise excessively to for a long time, it; plans the invention that the tension set on the electrodes (2, 3) is; at least once commutated.

EXEMPLARY CLAIMS- 1. Procedure for the conditioning and/or re-establishment of the function and catalytic activity by electrodes (2,3) and catalytically working substances (5, 6) during an electro-chemical or electricalcatalytic process, with which under admission or delivery of electrons directly or during one or more intermediate steps a process runs off of the ionization or Deionisation, by a cell, which is formed for electrolytes (1) from two by or an electrically leading layer (9) from each other separate electrodes (2,3) or catalytic coatings (5,6) and with that a tension to the two electrodes (2, 3) or catalytic coatings (5,6) it is put on by the fact characterized that the direction of the tension at least once one commutates. 2. Procedure according to requirement 1, by it characterized that the tension is an alternating voltage, their process rectangular (10), trapezoidally (11), like saw teeth or sinusoidal (12) is. 3. Procedure according to requirement 1 or 2, by the fact characterized that the tension put on is larger than the strength by electric motors, which can occur at the cell. 4. Procedure according to requirement 1, 2 or 3, by the fact characterized that the pole reversal frequency lies in the low frequency range. 5. Procedure after one of the requirements 1 to 4, by the fact characterized that the height of the tensions is kept alike. 6. Procedure after one of the requirements 1 to 5, by the fact characterized that the duration of the positive and the negative tension sections is kept alike. 7. Procedure after one of the requirements 1 to 6, by the fact characterized that after completion of the tension combination the two electrodes (2,3; 7,8) of the cell to be short circuit.

NO-DESCRIPTORS

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